

**403.06. BASIS OF PAYMENT.**

Accepted quantities of traffic-bound surface course, measured as provided above, will be paid for at the contract unit price as follows:

(A)	TRAFFIC BOUND SURFACE COURSE	TYPE A	.....	TON (METRIC TON)
(B)	TRAFFIC BOUND SURFACE COURSE	TYPE B	.....	TON (METRIC TON)
(C)	TRAFFIC BOUND SURFACE COURSE	TYPE C	.....	TON (METRIC TON)
(D)	TRAFFIC BOUND SURFACE COURSE	TYPE D	.....	TON (METRIC TON)
(E)	TRAFFIC BOUND SURFACE COURSE	TYPE E	.....	TON (METRIC TON)
(F)	TRAFFIC BOUND SURFACE COURSE	TYPE F	.....	TON (METRIC TON)

Such payment shall be full compensation for furnishing all materials, equipment, labor, and incidentals to complete the work as specified.

## **SECTION 406**

### **OPEN-GRADED FRICTION SURFACE COURSE**

**406.01. DESCRIPTION.**

This work shall consist of mixing, in a central plant, aggregate and bituminous materials, and then spreading and compacting the mixed material on a prepared roadbed, all in substantial compliance with the Specifications and dimensions shown on the Plans.

**406.02. MATERIALS.**

Materials shall meet the requirements of Section 708.

**406.03 . EQUIPMENT.**

Equipment shall conform to the requirements of Subsection 411.03.

**406.04. CONSTRUCTION METHODS.**

- (a) **Stockpiling Materials.** Aggregate stockpiles shall meet the requirements of Subsection 106.09.
- (b) **Preparation of Materials.** Dry and heat the mineral aggregate to a temperature not to exceed 260°F ( 127°C); however, when Polymer Modified Asphalt Cement ( PMAC) is specified, dry and heat the mineral aggregate to a temperature not to exceed 350°F ( 177°C). Collect dust resulting from this operation and either waste it or return it to the mixture as deemed necessary.

The mineral aggregate shall be free of oily or carbonaceous coatings prior to entering the mixer.

Bituminous materials shall not exceed 280°F ( 138° C) when introduced into the mixer; however, when PMAC is specified, the temperature of the PMAC shall not exceed 350°F ( 177° C) when it is introduced into the mixer.

- (c) **Mixing.** Mix the aggregate and bituminous material as specified in Subsection 411.04.
- (d) **Loading and Hauling.** Coordinate loading and hauling of the mixture with the laydown operations so that the mixture shall be placed within the temperature range established in Subsection 406.04(g) and so that there will not be separation of the asphalt and aggregate.

- (e) **Tack Coat.** Apply a tack coat in accordance with Section 407, except that the rate of application shall be approximately 0.1 gallon per square yard ( 0.45 L/m<sup>2</sup>) of the surface area unless otherwise shown on the Plans or directed by the Engineer.
- (f) **Weather and Seasonal Limitations.** Construction of Open Graded Friction Surface Courses (OGFSC) will be permitted only under the following conditions:

When the surface is dry; when the mat surface on which it is to be placed is 60°F ( 15° C) or above when measured away from artificial heat; when the weather is not foggy, rainy or stormy; and when the wind or other conditions prevent proper leveling and consolidation.

OGFSC shall only be placed between April 1 and October 31 of each calendar year.

- (g) **Spreading and Finishing.** Prior to placing the OGFSC, clean all foreign matter from the surface of the existing roadbed. The temperature of the mixture for placement on the road shall be established by the Engineer, and it shall not vary more than 25°F ( 14° C) above or below the target temperature for placement.

The forward movement of the paving machine shall be continuous. If the paver has to stop, pick up the machine and clean it out, and then start anew.

- (h) **Joints.** The location of the longitudinal joint shall be on the lane lines, and offset from the underlying joint a minimum of 3 inches (75mm). All construction joints shall be tight, smooth, butt-type joints.
- (i) **Compaction.** Immediately following placement of the OGFSC material, roll the surface with 2-3 passes of a static (non-vibratory) steel-wheeled, self-propelled roller of such weight as approved by the Engineer.

Finish the surface so that it is smooth and true to the dimensions shown on the Plans. Immediately correct any low or defective areas by removing them, replacing them with new material, and compacting them to conform to the remainder of the pavement. Such corrective work shall be done at the expense of the Contractor.

Trucks and all other traffic shall not be permitted on the finished OGFSC pavement until the surface temperature is within 10°F ( 6° C) of ambient temperature or two hours time has elapsed from final rolling.

#### 406.05. METHOD OF MEASUREMENT.

*Open-graded friction surface course*, including the aggregate, liquid asphalt, and other ingredients as specified in the job-mix formula—will be measured by the ton ( metric ton) of combined mixture.

*Tack coat* will be measured and paid for in accordance with Section 407.

#### 406.06. BASIS OF PAYMENT.

Accepted quantities of open-graded friction surface course measured, as provided above, will be paid for at the contract unit price as follows:

OPEN-GRADED FRICTION SURFACE COURSE .....	TON (METRIC TON)
OPEN-GRADED FRICTION SURFACE COURSE (MOD.AC) .....	TON (METRIC TON)

Such payment shall be full compensation for furnishing all materials, equipment, labor and incidentals to complete the work as specified.